

Converting Colors

XYZ(48.6080, 46.0659, 21.3686)

Have a look what the booklet for
XYZ(48.6080, 46.0659, 21.3686)
contains.

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Color

**XYZ(48.6080, 46.0659,
21.3686)**

Conversions

Conversions Part 1

Format	Color
Hex	E2AA6F
RGB	226, 170, 111
RGB Percent	89%, 67%, 44%
CMY	0.1137, 0.3333, 0.5647
CMYK	0.00, 0.25, 0.51, 0.11
HSL	31°, 66%, 66%
HSV	31°, 51%, 89%
XYZ	48.6080, 46.0659, 21.3686
YIQ	180.0180, 52.3150, -6.4770

Conversions

Conversions Part 2

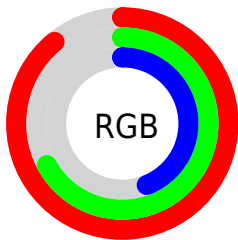
Format	Color
R_{YB}	220, 226, 111
Decimal	14854767
CIE _{Lab}	73.59, 13.69, 38.24
CIE _{LCh}	74, 40.614, 70.301
Yxy	46.0659, 0.4189, 0.3970
Android (android.graphics.Color)	4293044847 (0xFFE2AA6F)
YUV	180.0180, -34.0259, 40.3262
Hunter-Lab	67.8719, 9.0611, 28.8436

Details

The XYZ color **48.6080, 46.0659, 21.3686** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.1011, 36.5064, 77.2004**, and the grayscale version is **43.5504, 45.8184, 49.8962**.

A 20% lighter version of the original color is **74.8661, 77.7908, 46.1912**, and **23.4964, 21.6295, 7.4939** is the 20% darker color. If you saturate the color by 10%, you get **45.5405, 41.6769, 14.9642**, and if you desaturate by 10%, it is **52.1652, 50.9307, 29.4901**.

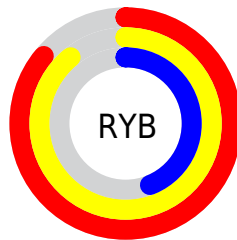
Distribution



Red (89%)

Green (67%)

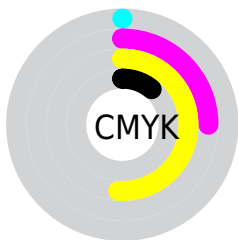
Blue (44%)



Red (86%)

Yellow (89%)

Blue (44%)

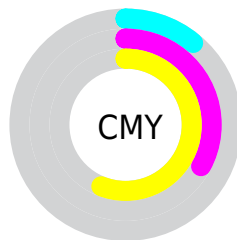


Cyan (0%)

Magenta (25%)

Yellow (51%)

Black (11%)



Cyan (11%)

Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6080, 46.0659, 21.3686 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 48.6080, 46.0659, 21.3686 by changing the saturation by 10% instead.

48.6080, 46.0659,
21.3686

48.6080, 46.0659,
21.3686

371.7397,
371.0735, 272.0761

34.5219, 32.2978,
13.1998

87.3132, 84.3176,
46.5889

23.4596, 21.5891,
7.4340

112.6630,
109.5700, 64.4775

15.0558, 13.5553,
3.6524

142.4980,
139.4194, 86.4432

8.9451, 7.8120,
1.4367

177.1837,
174.2500, 112.9045

4.7622, 3.9749,
0.1701

217.0853,
214.4464, 144.2798

2.1418, 1.6595,
0.0000

262.5683,

0.7118, 0.3972,

260.3928, 180.9879

0.0000

313.9980,
312.4737, 223.4471

■ 0.0000, 0.0000,
0.0000

■ 48.6080, 46.0659,
21.3686

■ 48.6080, 46.0659,
21.3686

■ 45.5405, 41.6769,
14.9642

■ 52.1652, 50.9307,
29.4901

■ 42.9310, 37.7388,
10.1453

■ 56.2346, 56.2814,
39.4416

■ 40.7484, 34.2341,
6.7651

■ 60.8409, 62.1360,
51.3295

■ 38.9551, 31.1404,
4.6478

■ 66.0062, 68.5093,
65.2511

■ 37.6045, 28.6498,
3.5480

■ 71.7512, 75.4155,
81.2971

■ 78.0954, 82.8683,
99.5528

■ 82.6854, 89.9317,
107.6083

■ 85.1739, 94.9087,
108.4378

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1880, 46.0659, 28.6726



48.6080, 46.0659, 21.3686



41.3600, 46.0659, 20.4327

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.6080, 46.0659, 21.3686



31.5500, 46.0659, 57.5708



53.3415, 46.0659, 86.7877

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.6080, 46.0659, 21.3686



34.1011, 36.5064, 77.2004

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.3014, 46.0659, 100.0239



48.6080, 46.0659, 21.3686



34.0707, 46.0659, 80.3476

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.6080, 46.0659, 21.3686



32.0232, 46.0659, 37.9686



39.2907, 46.0659, 97.3893



58.1211, 46.0659, 64.7113

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.6080, 46.0659, 21.3686



37.1773, 46.0659, 23.1661



39.2907, 46.0659, 97.3893



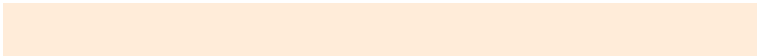
51.1309, 46.0659, 92.6594

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.6091, 46.0681, 21.3695



83.8356, 86.4642, 77.7459



44.1632, 30.3838, 40.8278



17.6368, 18.1271, 15.8130



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.6091, 46.0681, 21.3695



59.6862, 54.5144, 19.2940



61.4295, 71.7090, 25.6430



14.2859, 14.8577, 14.4217



21.5729, 16.5836, 2.0639



1.5849, 1.3286, 0.1729

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.1011, 36.5064, 77.2004



38.6117, 40.6316, 100.4154



25.9678, 20.2399, 74.4893



13.5002, 14.3395, 17.4439



11.1332, 9.7359, 42.3408



0.8611, 0.8537, 2.9646

Previews

White Background



This preview shows how the XYZ color 48.6080, 46.0659, 21.3686 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 48.6080, 46.0659, 21.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6080, 46.0659, 21.3686

Background



This preview shows how black text looks on a background with the XYZ color 48.6080, 46.0659, 21.3686.



This preview shows how white text looks on a background with the XYZ color 48.6080, 46.0659,

21.3686.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.6080, 46.0659, 21.3686

Protanopia

42.6443, 46.1559, 22.8810

Deuteranopia

46.9715, 46.0730, 21.1692



Tritanopia

53.5153, 45.8856, 46.0806

Trichromacy



Original Color

48.6080, 46.0659, 21.3686

Protanomaly

44.7718, 46.0691, 22.4521

Deuteranomaly

47.6912, 46.1604, 21.1481

Tritanomaly

51.3541, 45.8026, 35.4123

Monochromacy



Original Color

48.6080, 46.0659, 21.3686

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.4677, 45.2875, 37.4080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6080, 46.0659, 21.3686 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(226, 170, 111)` looks like.

```
.text, #text, p{  
    color:rgb(226, 170, 111)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(226, 170, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 170, 111) }
```

Border

The CSS property to change the border of an element to XYZ 48.6080, 46.0659, 21.3686 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 170, 111) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(226, 170, 111) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(226, 170, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 170, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 170, 111);  
box-shadow:4px 4px 4px 4px rgb(226, 170,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6080, 46.0659, 21.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 170, 111) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(226,  
170, 111) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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